

**Mouse Clk3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14953A**

**Specification**

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**Mouse Clk3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O35492</a>
Other Accession	<a href="#">NP_031739.3</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	73798
Antigen Region	20-48

**Mouse Clk3 Antibody (N-term) - Additional Information**

**Gene ID** 102414

**Other Names**

Dual specificity protein kinase CLK3, CDC-like kinase 3, Clk3

**Target/Specificity**

This Mouse Clk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-48 amino acids from the N-terminal region of mouse Clk3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Clk3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Clk3 Antibody (N-term) - Protein Information**

**Name** Clk3

**Function** Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine- rich (SR) proteins of the spliceosomal complex.

May be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing and can cause redistribution of SR proteins from speckles to a diffuse nucleoplasmic distribution. Phosphorylates SRSF1 and SRSF3. Regulates the alternative splicing of tissue factor (F3) pre- mRNA in endothelial cells.

**Cellular Location**

Nucleus. Cytoplasm. Cytoplasmic vesicle, secretory vesicle, acrosome

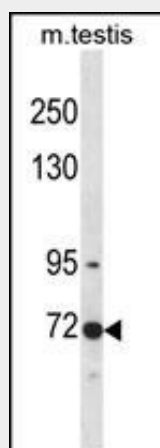
**Tissue Location**

Present at high levels in testis and ovary. In testis, expression is restricted to elongated, maturing spermatozoa Also present in spleen, brain, lung and liver (at protein level)

**Mouse Clk3 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Mouse Clk3 Antibody (N-term) - Images**

Mouse Clk3 Antibody (N-term) (Cat. #AP14953a) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the Clk3 antibody detected the Clk3 protein (arrow).

**Mouse Clk3 Antibody (N-term) - Background**

Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex. May be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates serines, threonines and tyrosines.

**Mouse Clk3 Antibody (N-term) - References**

Sansom, S.N., et al. PLoS Genet. 5 (6), E1000511 (2009) :  
Carrier, A., et al. Immunogenetics 50 (5-6), 255-270 (1999) :

Nayler, O., et al. Biochem. J. 326 (PT 3), 693-700 (1997) :